| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|---|---------------------|---------|------------------|
| L1 | 22 | (("5832387") or ("6351499") or ("6369758") or ("20020145968") or ("6195342") or ("6104983") or ("20020021683") or ("20020008672") or ("20010020915") or ("20010005685") or ("6349218") or ("6317587") or ("6307506") or ("6304215") or ("6259683") or ("6259683") or ("6259683") or ("6137840") or ("5771022") or ("5577265") or ("5109390")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/03 16:05 |
| S1 | 9 | (("6729929") or ("5838730") or ("5493583") or ("5550865") or ("5444737") or ("4942591") or ("4930140") or ("4964138") or ("4469918")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/30 11:25 |
| S2 | 15 | antenna near3 (element\$1 or diversity) with adjust\$4 near6 (weight\$1 or coefficient\$1) same (pilot\$1 or auxilary or known or training) same (power\$1 or energ\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/11 18:08 |
| S3 | 17 | antenna near3 (element\$1 or diversity) with adjust\$4 near6 (weight\$1 or coefficient\$1) same (pilot\$1 or auxilary or known or training or predetermin\$3 or (pre adj1 determin\$3)) same (power\$1 or energ\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 18:02 |
| S5 | 58 | antenna near3 (element\$1 or diversity) with adjust\$4 near6 (weight\$1 or coefficient\$1) and (pilot\$1 or auxilary or known or training or predetermin\$3 or (pre adj1 determin\$3)) same (power\$1 or energ\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/10 18:06 |
| S7 | 18 | ((spatial near2 filter\$4) or (smart near2 antenna\$1)) and (pilot\$1 or train\$4 or known or pre determin\$4 or (pre adj1 determin\$4) or auxilary) and (weight\$4 or coefficient\$1) near3 (adjust\$4 or correct\$4) with antenna\$1 same (energy or power\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/11 11:37 |

| S8 | 18 | antenna near3 (element\$1 or diversity) with adjust\$4 near6 (weight\$1 or coefficient\$1) same (filter\$4 or baseband\$1 or (base adj1 band\$1) or quadrature\$1 or inphase\$1 or (in adj1 phase\$1)) and (pilot\$1 or auxilary or known or training) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR . | OFF | 2005/05/11 18:25 |
|-----------|-----|--|---|------|-----|------------------|
| S9 | 18 | antenna near3 (element\$1 or diversity) with adjust\$4 near6 (weight\$1 or coefficient\$1) same (filter\$4 or baseband\$1 or (base adj1 band\$1) or quadrature\$1 or inphase\$1 or (in adj1 phase\$1)) and (pilot\$1 or auxilary or known or training or predetermin\$4 or (pre adj1 determin\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/11 18:24 |
| S12 | 118 | (cdma or (spread near2 spectrum\$1)) same (pilot\$1 or training\$1 or predetermin\$4 or known) with frequenc\$3 near3 (band\$1 or hop\$4) and antenna\$1 near3 (element\$1 or diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR . | OFF | 2005/05/12 10:49 |
| S13 | 10 | (cdma or (spread near2 spectrum\$1)) same (pilot\$1 or training\$1 or predetermin\$4 or known) with frequenc\$3 near3 (band\$1 or hop\$4) same antenna\$1 near3 (element\$1 or diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 11:00 |
| S16 | 191 | (pilot\$1 or training or auxilary) near5 (optim\$5 or desire\$1 or best\$1) and antenna\$1 near3 (element\$1 or diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 11:44 |
| S17 | 66 | (pilot\$1 or training or auxilary) near2 (optim\$5 or desire\$1 or best\$1) and antenna\$1 near3 (element\$1 or diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 14:16 |
| S18 | 21 | (pilot\$1 or training or auxilary) near2 (optim\$5 or desire\$1 or best\$1) same antenna\$1 near3 (element\$1 or diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 16:02 |
| S24 | 58 | (pilot\$1 or training or auxilary) near2 (detect\$4 or identify\$4 or identificat\$4) same demodulat\$4 and antenna\$1 near3 (element\$1 or diversity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 16:58 |

| S25 | 233 | (pilot\$1 or training or auxilary) near2 (detect\$4 or identify\$4 or identificat\$4) same frequenc\$3 near2 band\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 16:59 |
|-----|------|---|---|----|-----|------------------|
| S26 | 65 | (pilot\$1 or training or auxilary) near2 (detect\$4 or identify\$4 or identificat\$4) same frequenc\$3 near2 band\$1 same modulat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/12 16:59 |
| S27 | 78 | antenna near2 (diversity or element\$1) and weight\$4 same (pilot or reference or train\$4 or known) with (data\$1 or information\$1) with (detect\$4 or identify\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 12:46 |
| S28 | 4033 | (375/316,347,334,335,336,341, 349).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/05/13 14:04 |
| S29 | 432 | S28 and antenna near2 (diversity or element\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 14:04 |
| S30 | 255 | S29 and weight\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 14:05 |
| S36 | 12 | antenna\$1 near3 (diversit\$3 or diversif\$4 or element\$1 or smart\$1) and (adjust\$4 or adapt\$6) near3 weight\$4 with antenna\$1 with (pilot\$1 or train\$4 or auxilar\$3 or known) same (optimiz\$4 or maximi\$6 or minimi\$6) with (energ\$3 or power\$1 or strength\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 19:11 |
| S38 | 19 | antenna\$1 near3 (diversit\$3 or diversif\$4 or element\$1 or smart\$1) and (adjust\$4 or adapt\$6) near3 weight\$4 same antenna\$1 with (pilot\$1 or train\$4 or auxilar\$3 or known) same (optimiz\$4 or maximi\$6 or minimi\$6) same (energ\$3 or power\$1 or strength\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 19:14 |

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|------------|------|--|---|----|-----|------------------|
| S39 | 69 | antenna\$1 near3 (diversit\$3 or diversif\$4 or element\$1 or smart\$1) and weight\$4 same antenna\$1 with (pilot\$1 or train\$4 or auxilar\$3 or known) same (optimiz\$4 or maximi\$6 or minimi\$6) same (energ\$3 or power\$1 or strength\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 19:14 |
| S40 | 47 | antenna\$1 near3 (diversit\$3 or diversif\$4 or element\$1 or smart\$1) and weight\$4 same antenna\$1 with (pilot\$1 or train\$4 or auxilar\$3 or known) same (optimiz\$4 or maximi\$6 or minimi\$6) with (energ\$3 or power\$1 or strength\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/30 12:24 |
| S43 | 36 | antenna\$1 near3 (diversit\$3 or diversif\$4 or element\$1 or smart\$1) and weight\$4 same antenna\$1 with (pilot\$1 or train\$4 or auxilar\$3 or known) same (energ\$3 or power\$1 or strength\$1) same (threshold\$1 or predetermin\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/30 12:48 |
| S45 | 766 | (455/425,405).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/30 12:43 |
| S47 | 1267 | (455/561,562).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/30 12:45 |
| S49 | 1883 | (455/101,69).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/30 12:46 |
| S51 | 98 | antenna\$1 near3 (diversit\$3 or diversif\$4 or element\$1 or smart\$1) and weight\$4 same (pilot\$1 or train\$4 or auxilar\$3 or known) same (energ\$3 or power\$1 or strength\$1) same (threshold\$1 or predetermin\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/30 12:48 |